**AMENDMENT UNDER 37 C.F.R. 1.116 – EXPEDITED PROCEDURE**
Serial Number: 09/722996
Filing Date: November 27, 2000
Title: RING POINTING DEVICE
Assignee: Intel Corporation

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## IN THE CLAIMS

The claims are as follows.

1.      (Currently Amended)  A pointing device, comprising:

a ring; and

a sensor unit comprising a plurality of sensors in a substantially circular pattern, <u>wherein the sensor unit is adapted to create position information, and</u> wherein the sensor unit is mounted on the ring.

2.      (Original)  The pointing device of claim 1, wherein the ring is of a size that is capable of being worn on a human digit.

3.      (Original)  The pointing device of claim 1, further comprising:
at least one selection button mounted on the ring.

4.      (Original)  The pointing device of claim 1, wherein the at least one selection button is capable of being operated by a human thumb.

5.      (Original)  The pointing device of claim 1, wherein the sensor unit is capable of being operated by a human thumb.

6.      (Original)  The pointing device of claim 1, further comprising:
a controller mounted to the ring, wherein the controller is coupled to the sensor unit; and
a transmitter mounted to the ring, wherein the transmitter is coupled to the controller, and
wherein the controller is to translate a signal from the sensor unit to movement information, and
wherein the transmitter is to transmit the movement information.

7.      (Original)  The pointing device of claim 6, wherein the movement information contains relative position information regarding a pointer on a display.

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8.     (Original)  The pointing device of claim 1, wherein the plurality of sensors comprises pressure sensors.

9.     (Original)  The pointing device of claim 1, wherein the plurality of sensors comprises rocker switches.

10.    (Original)  The pointing device of claim 1, wherein the plurality of sensors comprises capacitance proximity sensors.

11.    (Original)  The pointing device of claim 1, wherein the plurality of sensors comprises inductive proximity sensors.

12.    (Original)  The pointing device of claim 6, wherein the transmitter comprises an infrared transmitter to transmit light pulses encoding the movement information.

13.    (Original)  A method for moving a pointer on a display, comprising:
detecting activation of one of a plurality of sensors arranged in a substantially circular pattern on a sensor unit, wherein the sensor unit is mounted on a ring; and
creating position information for the pointer based on which one of the plurality of sensors was activated.

14.    (Original)  The method of claim 13, wherein the ring is of a size capable of being worn on a human finger.

15.    (Original)  The method of claim 13, wherein the sensor unit is capable of being operated by a human thumb.

16.    (Original)  The method of claim 13, further comprising:
transmitting the position information.

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17.    (Original)  The method of claim 13, wherein the position information contains relative position information regarding the pointer on the display.

18.    (Original)  A computer system, comprising:

a receiver; and

a pointing device, comprising:

a ring,

a sensor unit mounted to the ring, wherein the sensor unit comprises a plurality of sensors in a substantially circular pattern,

a controller mounted on the ring, wherein the controller is coupled to the sensor unit, and

a transmitter mounted to the ring, wherein the transmitter is coupled to the controller, and wherein the controller is to translate a signal from the sensor unit into movement information, and wherein the transmitter is to transmit the movement information to the receiver.

19.    (Original)  The computer system of claim 18, wherein the ring is of a size that is capable of being worn on a human finger.

20.    (Original)  The computer system of claim 18, further comprising:
at least one selection button mounted on the ring.

21.    (Original)  The computer system of claim 18, wherein the movement information contains relative position information regarding a pointer on a display.

22.    (Original)  The computer system of claim 18, wherein the plurality of sensors comprises pressure sensors.

23.    (Original)  The computer system of claim 18, wherein the plurality of sensors comprises rocker switches.

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24.     (Original)  The computer system of claim 18, wherein the plurality of sensors comprises capacitance proximity sensors.

25.     (Original)  The computer system of claim 18, wherein the plurality of sensors comprises inductive proximity sensors.

26.     (Original)  The computer system of claim 18, wherein the transmitter comprises an infrared transmitter that transmits light pulses containing the movement information.

27.     (Original)  A program product comprising signal-bearing media bearing instructions, which when read and executed by a processor comprise:
detecting activation of one of a plurality of sensors arranged in a substantially circular pattern on a sensor unit, wherein the sensor unit is mounted on a ring; and
creating position information for a pointer on a display based on which one of the plurality of sensors was activated.

28.     (Original)  The program product of claim 27, wherein the ring is of a size capable of being worn on a human finger.

29.     (Original)  The program product of claim 27, further comprising:
transmitting the position information from an infrared transmitter.

30.     (Original)  The program product of claim 27, wherein the position information contains relative position information regarding the pointer on the display.